



Docket: 71535

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Tustin et al.

Serial No.: 10/650,510

Group Art Unit:

Filed: August 28, 2003

Examiner:

For: FLUIDIZABLE CARBON CATALYSTS

Commissioner for Patents
Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97(b)

In accordance with 37 CFR 1.56, the documents listed on the attached Information Disclosure Statement by Applicant are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Although all documents should be considered in their entirety, Applicants wish to direct the Examiner's attention in particular to the following:

<u>Patent No. or Title</u>	<u>Name of Patentee or Applicant of Cited Document</u>	<u>Date of Publication of Cited Document MM-DD-YYYY</u>
3,689,533	Schultz	09-05-1972
4,040,990	Neely	08-09-1977
4,206,078	Ohorodnik et al.	06-03-1980
4,839,331	Maroldo et al.	06-13-1989
5,037,791	Comolli et al.	08-06-1991
5,972,525	Mori et al.	10-26-1999
6,452,043	Zoeller et al.	08-17-2002
6,235,673	Zoeller et al.	05-22-2001
EP 0 520 779 A2	Brendley et al.	12-30-1992
JP 59-172436	Tominaga et al.	09-29-1984

"AMBERSORB® 600", product brochure from Rohm and Haas Company, 1996.

Copies of the cited documents are enclosed.

The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage

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of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last.

Respectfully submitted,

Eric D. Middlemas

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October 2, 2003
Date

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CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper(s) referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450

Cathy L. Adkins
Cathy L. Adkins

10/6/03
Date



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Substitute for form 1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney D ck t Number 71535

First Named Inventor Tustin et al.

COMPLETE IF KNOWN

Application Number 10/650,510

Filing Date August 28, 2003

Group Art Unit

Sheet

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of

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Examiner Name

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
		3,158,583		Corte et al	11-24-1964
		3,689,533		Schultz	09-05-1972
		3,909,449		Nagai et al.	09-30-1975
		4,040,990		Neely	08-09-1977
		4,045,368		Katori et al.	08-30-1977
		4,063,912		Neely et al.	12-20-1977
		4,206,078		Ohorodnik et al.	06-03-1980
		4,267,055		Neely	05-12-1981
		4,379,940		Dickerson	04-12-1983
		4,474,895		Foulletier	10-02-1984
		4,839,331		Maroldo et al.	06-13-1989
		5,037,791		Comolli et al.	08-06-1991
		5,488,143		Uhm et al.	01-30-1996
		5,569,635		Moy et al.	10-29-1996
		5,900,505		Tustin et al.	05-04-1999
		5,972,525		Mori et al.	10-26-1999
		6,235,673	B1	Zoeller et al.	05-22-2001
		6,452,043	B1	Zoeller et al.	08-17-2002

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Consid red

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



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				First Named Inventor	Tustin et al.
				COMPLETE IF KNOWN	
				Application Number	10/650,510
				Filing Date	August 28, 2003
Group Art Unit					
Sheet	2	of	3	Examiner Name	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
		EP	0 520 779	A2	Brendley et al.	12-30-1992	
		JP	59-172436		Tominaga et al.	09-29-1984	✓
		UK	1,525,420		Sumitomo Chem Co Ltd	09-20-1978	
		JP	52-30800 ✓		Sumitomo Chem Co Ltd	03-08-1977	✓
		JP	53-50088 ✓		Sumitomo Chem Co Ltd	10-19-1978	✓
		JP	62-197308 ✓		Japan Organo Co Ltd	09-01-1978	✓

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
		Li et al., "Active Carbon Supported Mo-K Catalysts Used for Alcohol Synthesis" J. Catal., 2001, 199, pp. 155-161	
		Avidan et al., "Fluidization", Kirk-Othmer Encyclopedia of Chemical Technology, 4 th ed. (1994), Vol. 11, John Wiley and Sons, NY, pp. 138-171	
		Bansal et al., "Active Carbon Applications", Active Carbon, (1988), Marcel Dekker, NY, pp. 413-441	
		Tennison, "Phenolic-resin-derived activated carbons", Applied Catalysis A: General 173, 1998, pp. 289 -311	
		Kane et al., "Effect of Porosity of Carbogenic Molecular Sieve Catalysts on Ethylbenzene Oxidative Dehydrogenation", Ind. Eng. Chem. Res., 1996, 35, pp. 3319-3331	

Examiner Signatur		Date Considered	
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Fujimoto et al., "Hydrogen Effects on Nickel-Catalyzed Vapor-Phase Methanol Carbonylation", J. Catal. 1992, 133, pp. 370-382

FUJIMOTO et al., Chem. Let. 1987, 895-898

FOLEY et al. "Access in Nanoporous Materials", Pinnavaia, T.J., Thorpe, M.F., Eds. (1995), Plenum Press, New York, pp. 39-58

"AMBERSORB® 600", product brochure from Rohm and Haas Company, 1996.

Japanese Patent Application No 5-163007, dated 12-16-1991, Tokai Carbon Co. Ltd.

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